

Attorney Docket No.: KUZ0031US.NP
Inventors: Minoru Kohara
Serial No.: 10/584,372
Filing Date: October 26, 2006
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A patch comprising a pressure-sensitive adhesive layer comprising an acrylic copolymer containing from 3 to 25% by weight of hydroxyethyl (meth)acrylate as a constituent, a plasticizer and a pseudo-crosslinking compound, wherein the pseudo-crosslinking compound is one or more compounds selected from the group consisting of ~~an amine compound, an aluminate and a phenol compound~~ hexanediamine, ethylenediamine, diethylenetriamine, potassium aluminate, sodium aluminate, calcium aluminate, resorcinol and hydroquinone, and the ratio of the content of the plasticizer to the content of the pseudo-crosslinking compound ranges from 30:1 to 150:1, and wherein a shearing strain migration length of the pressure-sensitive adhesive layer after 2 minutes under weighting of 3g is not more than a thickness of the pressure-sensitive adhesive layer, and a shearing strain migration length after 5 minutes under weighting of 80g is not less than 10 times the thickness of the pressure-sensitive adhesive layer.

Claim 2 (previously presented): The patch according to claim 1, wherein a content of the plasticizer is from 30 to 200 parts by weight relative to 100 parts by weight of an acrylic copolymer.

Claim 3 (previously presented): The patch according to claim 1, wherein a content of the pseudo-crosslinking

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compound is from 0.3 to 10 parts by weight relative to 100 parts by weight of the acrylic copolymer.

Claim 4 (previously presented): The patch according to claim 1, wherein the acrylic copolymer is a copolymer comprising alkyl (meth)acrylate, hydroxyethyl (meth)acrylate and N-vinyl-2-pyrrolidone.

Claim 5 (previously presented): The patch according to claim 4, wherein a content of alkyl (meth)acrylate is from 30 to 80% by weight based on the entire copolymer, a content of hydroxyethyl (meth)acrylate is from 3 to 25% by weight based on the entire copolymer, and a content of N-vinyl-2-pyrrolidone is from 5 to 25% by weight based on the entire copolymer, and the alkyl (meth)acrylate is an alcohol ester with an alkyl group of carbon numbers 4-12.

Claim 6-7 (canceled)

Claim 8 (previously presented): The patch according to claim 1 further comprising a backing.

Claim 9 (original): The patch according to claim 8 comprising a skin valuable.

Claim 10 (previously presented): The patch according to claim 9, wherein the skin valuable is a drug and/or a cosmetic material.

Claim 11 (previously presented): The patch according to claim 1, wherein the hydroxy group in the acrylic polymer

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and the pseudo-crosslinking compound are bound by hydrogen bonding or van der Waals force so that a psuedo-crosslink is formed between copolymers.

Claim 12 (canceled)

Claim 13 (previously presented): The patch according to claim 1 wherein the plasticizer is one or more compound selected from the group consisting of isopropyl myristate, myristyl lactate and diethyl sebacate.